

JENICEK, L.

18(0); 25(1)

PHASE I BOOK EXPLOITATION CZECH/1258

Vakuová technika v metalurgii; sborník referátů (Vacuum Technology in Metallurgy; Collection of Articles) Prague, SNTL, 1957.  
194 p. 1,450 copies printed.

Reviewer: Jeníček, Ladislav, Professor, Doctor, Engineer; Chief Ed. for Mining Literature: Knobloch, Pavel.

PURPOSE: The book is intended for technicians and engineers working in metallurgical, machine-building and electrotechnical plants and also for students of technical schools.

COVERAGE: This is a collection of articles on problems and possibilities of using vacuum in metallurgy and describes manufacturing techniques and equipment. The articles were collected by VTS-HS. (Czechoslovak Scientific Technical Society for Metal Making and Founding) and were edited by SNTL (State Publishing House for Technical Literature). The names of Doctor Engineer F. Kinsky and Candidate of Technical Sciences Z. Eninger (from ZVIL) are mentioned as having contributed to this field. There are 19

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Vacuum Technology

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references, 15 of which are Czech, 2 English, 1 German, 1 Russian.

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Card 2/3

JENICEK, L.

JENICEK, L. Metallographic competition and exhibit, Prague May, 1956, p. 35.

Vol. 12, no. 1, Jan. 1957

HUTNICKE LISTY

TECHNOLOGY

Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

JENICEK, L.

JENICEK, L. Film competition of the Scientific Technical Society for Metallurgy and Founding dedicated to continuous steel casting. p. 66.

Vol. 12, no. 1, Jan. 1957

HUTNICKE LISTY

TECHNOLOGY

Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

JENICEK, L.

The 250th anniversary of our technical education and our metallurgical industry. p. 387. (Hutnicke Listy, Vol. 12, No. 5, May 1957, Brno, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

JENICEK, L.

The hundredth anniversary of F. X. Riepl's death.

p. 820 (Hutnicke Listy) Vol. 12, no. 9, Sept. 1957, Praha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

JENICEK, L.

TECHNOLOGY

periodicals: HUTNICKE LISTY Vol. 13, no. 12. Dec. 1958

JENICEK, L. Importance of the study of balance systems for the theory of metals. p. 1058

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5  
May 1959, Unclass.

AUTHOR: Jeníček, Ladislav

CZECH/34-59-4-1/18

TITLE: The Soviet Metallurgical Industry in the Light of the  
XXI Congress of the Soviet Communist Party (Sovětské  
hutnictví ve světle XXI. sjezdu KSSS)

PERIODICAL: Hutnické Listy, 1959, Nr 4, pp 277.- 279  
(Czechoslovakia)

ABSTRACT: Although most of the information given in the article is  
known, the article is concise and conveys an idea of the  
problems and trends of the Soviet metallurgical industry.

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AUTHOR: Jeníček, Ladislav

CZECH/34-59-5-2/19

TITLE: V. I. Lenin Works in Pilsen and their Research  
Contribution to Metallurgy in Czechoslovakia  
(Závody V. I. Lenina v Plzni a jejich výzkum v našem  
hutnictví)

PERIODICAL: Hutnické Listy, 1959, Nr 5, pp 369-391 (Czechoslovakia)

ABSTRACT: Very detailed review of the evolution of the Škoda Works since the day the Works were founded by Emil Škoda 100 years ago. The first four pages deal exclusively with pre-1918 developments. The activities of the Research Institute of the Škoda Works between 1919 and 1945 are briefly reviewed on pp 373 and 374. In the remaining part of the article, i.e. pp 374-388 mainly post-war developments and activities are dealt with, most of which have been described in various earlier published papers (212 references). The author deals specifically with work in the following fields:  
metallurgical analysis, testing of standard mechanical properties, fatigue tests, creep and relaxation tests,  
Card 1/2 wear tests, testing of physical properties, corrosion,

CZECH/34-59-5-2/19

V. I. Lenin Works in Pilsen and their Research Contribution to Metallurgy in Czechoslovakia

metallography and its applications. Finally, he deals with results and achievements in the following fields: study of foreign steels, study of basic ternary iron alloys, heat treatment, temper brittleness, study of the effect of alloying elements in steel, refractory steels and castings, weldability and welding, flaking, vacuum casting of ingots, study of the heterogeneity of large ingots, fractography and physical chemistry of steel manufacture. Other fields are briefly enumerated. The author only deals with the metallurgical aspect of the research work carried out in the Skoda Works and does not deal with the great variety of research work in other fields. At the end of the article a list is given of selected articles, books and patents published by employees of the Research and Test Institute of the V. I. Lenin (Skoda) Works, Pilsen; this list has been compiled by Dr. O. Marsalek.

There are 45 figures, 1 table (containing data on recommended grades of turbine steels) and 212 references, all of which are either Czech or Czech contributions published in foreign journals.

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JENICEK, L.

"The V. I. Lenin Works in Plzen and their research in our metallurgy."

HUTNICKE LISTY, Brno, Czechoslovakia, Vol. 14, No. 5, May 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

S/137/61/000/008/005/037  
A060/A101

AUTHOR: Jeniček, Ladislav

TITLE: From crude iron to steel

PERIODICAL: Referativnyy zhurnal, Metallurgiya no. 8, 1961, 3, abstract 8V18  
("Techn. Mag.", (CSR), 1961, no. 2, 86-87, Czech)

TEXT: In the steel smelting industry of Czechoslovakia the expenditure of charge per ton of steel in 1958 as compared with 1954 constituted (in kg): crude iron 617 vs 591; scrap 442 vs 481; additives 15 vs 16, Fe from ore and clinkers 66 vs 81; in all 1140 vs 1155. At the present time 83% of the steel is smelted in open-hearth furnaces. The rise in the productivity of open-hearth furnaces is produced on account of the increase in furnace capacity (900 - 1,000 ton furnaces are being built in the USSR), the increase in the flame temperature, and the utilization of O<sub>2</sub>. An ever increasing importance is taken on in the recent years by converters with overhead O<sub>2</sub> feed. Converters with 100 ton capacity have already been put into operation, and the construction of 250 - 300 ton converters is being proposed. It is presumed that in the nineteen-seventies 25 - 30% of all the steel will be smelted in this way. The high temperature ✓

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From crude iron to steel

S/137/61/000/008/005/037  
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will make it possible to introduce up to 40% scrap into the charge and to avoid N<sub>2</sub> saturation of the steel. The smelting of electric steel in furnaces of 80 - 180 ton capacity (in the future, up to 300 tons) will also be greatly increased on account of the lowering of the production share of open-hearth steel. ✓

A. Novodvorskiy

[Abstracter's note: Complete translation]

Card 2/2

JENICEK, Ladislav

Comments of a metallurgist on the Brno Fair. Hrt listy 16  
no.11:825-827 N '61.

JENICEK, Ladislav

The 11th International Congress on Welding in Smolenice. Hut  
listy 16 no.11:827 N '61.

JENICEK, Ladislav, dr., inž.

Sintered metals and powder metallurgy. Stroj vyr 10 no.6:293-  
295 '62.



JENICEK, Ladislav

"Chemically hardened sands in founding." Reviewed by  
Ladislav Jenicek. Stroj vyr 10 no.8:417 '62.

JENICEK, Ladislav

"Applied metallography" by Egon Kauczor. Reviewed by  
Ladislav Jenicek. Stroj vyr 10 no.10:535 0 '62.

JENICEK, Ladislav

"Construction of industrial furnaces" by I. Henri Brunklaus.  
Reviewed by Ladislav Jenicek. Stroj vyr 10 no.10:535 0 '62.

JENICEK, Ladislav, dr., inz.

"Engineering materials and design". Reviewed by Ladislav  
Jenicek. Stroj vyr 10 no.10:536' 0 '62.

JENICEK, Ladislav, dr., ins.

The style of technical writings. Stroj vyr 10 no.11:583-584 '62.

JENICEK, L., inz., dr.

"Catalogs of materials" published by State Research Institute  
of Materials and Technology. Reviewed by L.Jenicek. Strojirenstvi  
12 no.1:75-76 Ja '62.

YENICHEK, L. [Jenicek, L.]

Energy and distance. Nauka i zhyttia 12 no.5:52-53 My '62.  
(MIRA 15:7)  
(Petroleum—Pipelines) (Gas, Natural—Pipelines)

PUNCOCHAR, Z., inz.; KECLIK, V.; JENICEK, L.; CHVATAL, V., inz.; ZIDEK, inz.;  
KOFMONEC, L.; BECVAR, J.; DEDEK, inz.

Information on metallurgy. Hut listy 17 no.3:216-226 Mr '62.



JENICEK, L.

"Thirty years of the Institute of Iron Metallurgy of the Mining  
Academy in Freiberg in Sachsen". Reviewed by L. Jenicek.  
Hut listy 17 no.4:297-298 Ap '62.

JENICEK, Ladislav

The 4th International Brno Fair. Hut listy 17 no.11:8294831 N '62.

JENICEK, L.

International Conference on Powder Metallurgy in Smolenice on  
September 17-20, 1962. Hut listy 17 no.12:908-909 D '62.

JENICEK, Ladislav

"Powder metallurgy". Reviewed by Ladislav Jenicek. Stroj  
vyr 11 no.1:56 '63.

JENICEK, Ladislav, dr., inz.; PRUCHA, Jaroslav, inz.

Defects of high-speed steel tools. Stroj vyr 11 no.1:34-35  
'63.

1. Statni vyzkumny ustav materialu a technologie (for Prucha).

JENICEK, Ladislav, dr., inz.

Method of ceramic casting in powder metallurgy. Stroj'vyr 11 no.2:  
59-61 F '63.

JENICEK, L., dr., inz.; JANDOS, F., inz.

Cracks on tools with a welded part out of high-speed steel. Stroj  
vyr 11 no.2:90-91 F.'63.

1. Zavody V.I. Lehina Plzen (for Jandos).

~~JENICEK~~, Ladislav, inz., dr.; DRAPAL, Stanislav, inz., doktor technických  
ved

Internal stress of gray cast-iron castings. Stroj vyr 11  
no.5:254-255 My '63.

1. Namestek ředitelů, Státní výzkumný ústav materiálu a  
technologie, Praha (for Drapal).



Z/034/63/000/001/004/012  
E073/E151

AUTHORS: Janíček, Ladislav, and Cenek, Mojmír

TITLE: On classifying non-ferrous metal and its alloys

PERIODICAL: Hutnické listy, No. 1, 1963, 48-52

TEXT: Previous suggestions for classifying metals are discussed. A general discussion in the Soviet Union resulted in the following recommendations. 1) Classification should include metals only and not semiconductors. 2) There should be as few groups as possible, and they should be distinctive and correlate the basic, primarily technological, properties of the metals. 3) It must take note of current nomenclature. 4) If intended for metal production, the system should correlate metallurgical processes used in metal production. In accordance with these recommendations there should be eight groups, as follows.

1) Commercial alloys of iron. 2) Heavy, non-ferrous metals: Cu, Ni, Co, Pb, Zn, Cd, As, Sn, Sb, Hg, Bi. 3) Light alloys: Li, K, Na, Rb, Ca, Mg, Be, Cs, Sr, Al, Ba. 4) Alloying and high-melting-point metals: Mn, Ti, V, Cr, Zr, Hf, Nb, Mo, Ta, W. 5) Precious metals: Au, Ag, Pt, Pd, Ir, Rh, Os, Ru.

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On classifying non-ferrous metal ...

Z/034/63/000/001/004/012  
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6) Scattered metals: Sc, Ga, Se, In, Tl, Re. 7) Rare earth metals (lanthanides): La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu. 8) Radioactive metals: Po, Ra, Ac, Th, Pa, U.

The authors recommend classifying metals into groups based on their melting points, which would yield groups fitting into the periodic system (Fig.). The metals in each group would form commercially important alloys. The classification would be based on increasing melting point, as follows:

1. Low-melting metals:
    - a) alkali metals (Cs (28 °C) - Li (186 °C)),
    - b) metals IIb to Vb (Hg (-38.8 °C) - Sb (630 °C)).
  2. Light metals (Mg (651 °C) - Be (1284 °C)).
  3. Medium melting-point metals (Cu (1083 °C) - Fe (1539 °C)).
  4. Precious metals (Ag (960.8 °C) - Os (2700 °C)).
  5. High melting-point metals (Ti (1725 °C) - W (3380 °C)).
- In addition, there are two other groups.
6. Scattered metals (Sc, Y, lanthanides) (Ib (824 °C) - Lu (1650 °C)).
  7. Radioactive metals (Ra (960 °C) - Po (1800 °C)).

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On classifying non-ferrous metal... Z/034/63/000/001/004/012  
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It is useful to classify titanium among the high melting-point metals since difficulties in melting are greater than with platinum metals. Owing to their importance in the production of alloys, the following further groups are included:

8. Semiconductors (e.g. Si, Ge, As, Se, Te).

9. Non-metals (C, N, O, P, S).

10. Halogens (F, Cl, Br, I).

11. Rare gases (He, Ne, Ar, Kr, Xe).

Various alloy systems are discussed to demonstrate the usefulness of the proposed classification.

There is 1 figure.

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On classifying non-ferrous metal ...

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Fig. 1

Ia	IIa	IIIa	IVa	Va	VIa	VIIa	VIIIa	IXa	Xa	IB	IIB	IIIB	IVB	VB	VIB	VIIb	0
H		② B		⑤ V				③ Co			⑧ Cu			⑨ C	N	O	He
⑩ Na	Ba	Al											Si	P	S	Cl	Ne
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi			
Fr	Ra	Ac	Th	Pa	U												

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JENICEK, L., inz., dr.; ROUDNY, J., dr.

Oxygen in metallurgy; discussion. Hut listy 18 no.4:292-293 Ap '63.

1. Ustav pro jazyk cesky, Ceskoslovenska akademie ved (for Roudny).

JENICEK, L., inz. dr.

"Agglomeration; a collection of lectures of the International Symposium in Philadelphia 1961." Reviewed by L.Jenicek. Hut listy 18 no.6:456 Je '63.

JENICEK, L., dr. inz.

"Progress in powder metallurgy" by F. Eisenkolb. Vol.

1. Reviewed by L. Jenicek. Stroj vyr 11 no. 12: 640  
'63.

JENICEK, L. (Praha)

Problem of mechanical properties of electrolytically  
separated nickel. Strojirenstvi 13 no.11:847-849 N '63.



JENICEK, L., inz. dr.

"Bibliography of the history of Czechoslovak metallurgy and  
founding industry" by [dr.] Svatava Steinerova and others.  
Reviewed by L.Jenicek. Hut listy 18 no.10:760 0 '63.

JENICEK, I.

Education and role of specialists in the metallurgy and knowledge of materials in the present technical development. Hut listy 18 no.11: 817-819 N°63.

JENICEK, Ladislav, dr. inz.

Use of iron in Czechoslovakia. Stroj vyr 12 no.4:286-287  
Ap'64.

"Steel constructions" by Fr. Kurth. Pt. 1. Reviewed by  
Ladislav Jenicek. Ibid.:315

JENICEK, Ladislav

How and why we should try for an accurate account of the history  
of the blast furnace process in Czechoslovakia. Hut listy 19  
no. 3:225-226 Mr '64.

JENICEK, Ladislav, inz. dr.

"Introduction to metallography" by Janusz Czerminski. Reviewed  
by Ladislav Jenicek. Stroj vyr 12 no.2:154-155 '64.

JENICEK, Ladislav, dr.inz.

"Tables of hardness" by Karl Hormuth. Reviewed by Ladislav  
Jenicek. Stroj vyr 12 no.10:781 0 '64.

JENICEK, Ladislav dr. inz.

"Living metals" by Paul Schwarzkopf. Reviewed by Ladislav Jenicek. Stroj vyr 13 no.1:75 Ja '65.

"Aluminum" edited by P. Barrand, R. Godeau. Vols.1-2. Reviewed by Ladislav Jenicek. Ibid.:76-77

"Introduction to the science of materials" by F. Eisenkolb. Vol. 3. Reviewed by Ladislav Jenicek. Ibid.:77

JENICEK, Ladislav, inz. dr.; SLABA, Jaroslav, RNDr.

Radiation of materials. Stroj vyr ll no.9:462-463 S '63.

1. Statni vyzkumny ustav materialu a technologie (for Slaba).



JENICEK, M. Technicka spoluprace: JANACKOVA, H.; MOOTZOVA, J.

The trial to follow the changes of eosinophil count as an indicator of skill. Cesk. hyg. 9 no.4:193-201 My'64.

1. Katedra hygieny deti a dorostu lekarske fakulty hygienicke KU [Karlovy university], Praha.

JENICEK, M.; Spoluprace: BRANISLAVOVA, K.; JANACKOVA, H.; LABOUNKOVA, Z.;  
MIKULOVA, J.

Training of new unskilled operation as a provoking agent of the  
general adaptation syndrome. Cesk. hyg. 9 no.9:535-541 0 '64.

1. Katedra hygieny deti, dorostu a vyzivy lek. fak. hygienicke  
Karlovy University, Praha.

CZECHOSLOVAKIA

JENICEK, M.

Chair of Hygiene of Children, Adolescents and Adults of the  
Medical Faculty of Hygiene of Charles University (Katedra  
hygieny deti, dorostu a vyzivy lek. fak. hygienicke K U),  
Prague

Prague, Ceskoslovenska Hygiena, No 9, 1964, pp 535-541

"Training of New Unskilled Operation As a Provoking Agent  
of the General Adaptation Syndrome."

Jenicek : O.  
VYBORNÝ, Josef, MUDr; JENICEK, Otakar, MUDr; JIRASEK, Lubor, MUDr; MASKE,  
Rudolf, MUDr

Spontanni panniculitis. Cas.lek.cesk. 91 no.8:227-234 22 Feb 52.

1. Z chirurgického oddeleni statni fakultni nemocnice, pobočky v  
Praze III; prednosta: MUDr Zdenek Vahala. Z II. dermatovenerolo-  
gické kliniky university Karlovy; prednosta: prof. dr. Karel  
Hubschmann. Z I. patologicko-anatomickeho ustavu university  
Karlovy; prednosta: prof. dr. Herman Siki.

(PANNICULITIS,

spontaneous, clin. manifest. & ther.)

VYBORNÝ, Josef, MUDr.; JENICEK, Otakar, MUDr.

Traumatic dislocation of the hip in children. Acta chir. orthop.  
traum. cech. 23 no.3:124-128 June 56.

1. Z chirurgické kliniky nemocnice v Praze, 1, Pod Petrinem,  
prednosta MUDr. Zdenek Vahala.

(HIP, dislocation  
traum., in child., case report (Cz))

(DISLOCATIONS,  
hip in child, case report (Cz))

(WOUNDS AND INJURIES  
causing hip disloc. in child, case report (Cz))

JENICEK, O.

VIHARA, Zdenek, Doc. Dr.; VYBORNY, Josef, MUDr.; NAJEMNIK, Jan, MUDr.;  
JENICEK, Otakar, MUDr.

Fractures of the upper end of the femur. Acta chir. orthop. trauma,  
cech. 25 no.3:191-203 May 58.

1. Chirurgická klinika fakulty dětského lékařství v Praze, přednosta  
doc. Dr. Z. Vahala.

(FEMUR NECK, fract.

surg., technics & statist. (Cz))

JENISON, V.; GUY, J.

"Sterility of oats."

p.168 (Sbornik. Veda Mechanizace a Elektrifikace Sarnodelstvi, Vol. 1, no. 3;  
1958, Praha, Czechoslovakia)

Monthly Index of East European Association (MEM) 13, Vol. 7, No. 4, 1958

JENICEK, V.

AGRICULTURE

PERIODICAL: VESTNIK, VOL. 6, No. 1, 1959

Skopek, S.; Jenicek, V. New scientific discoveries will help  
to raise collective-farm production. p. 31

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5  
May 1959, Unclass.



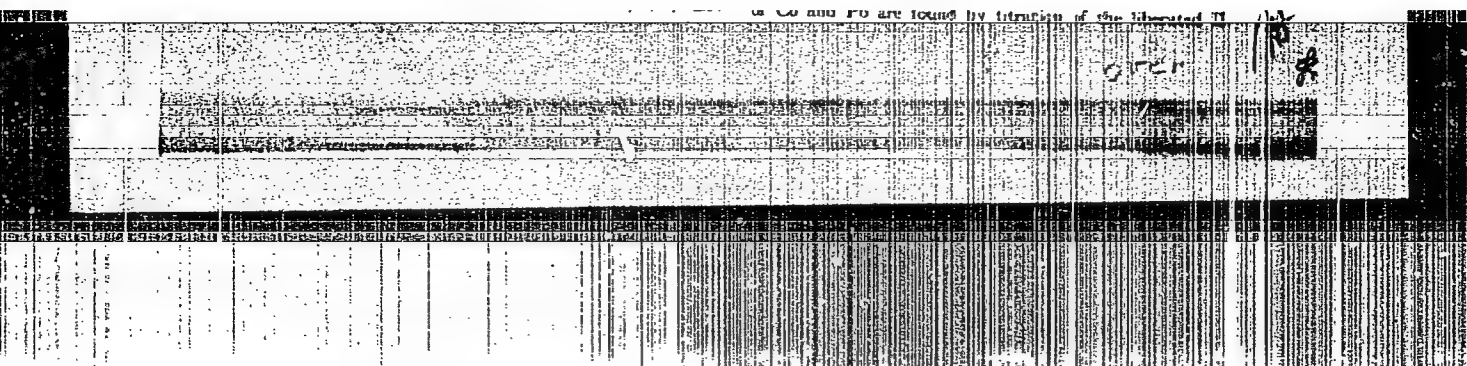
JENICEK, V. A.										17									
CA																			
<p>Determination of hardness of water by use of a micro-buret. <del>Volume of water</del> <i>Volume of water</i> 20, 180-7 (1910). 0.1 N NaOH is added to 10 cc. of water until alk. to phenolphthalein, followed by 1 cc. of 0.1 N NaCl. Soap soln. (Boutron-Boudette) is added from a micro-buret with shaking, until a permanent (1.5-2 mm.) foam is obtained. The total hardness <math>H = n/0.1807</math>, where <math>n</math> = cc. of soap soln. used.</p>																			
<p>ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																			
<p>100000 100000 100000 100000 100000 100000 100000 100000 100000 100000</p>										<p>100000 100000 100000 100000 100000 100000 100000 100000 100000 100000</p>									

1. Complexometric (colorimetric) analysis. VII. Pyrocatechol violet as a new specific indicator: determination of nickel, cobalt, manganese, zinc, magnesium, and cadmium. Miroslav Melat, Václav Suk, and Anna Jiráková (Karlova Univ., Prague). Chem. Listy 48, 1143-1144, 1954, cf. C.A. 48, 811f. — In alk. solns. with some bivalent cations pyrocatechol violet (I) forms intensively colored complexes weaker than those with complexon(III) (II). Direct complexometric detn. of Ni, Co, Mn, Zn, Mg, and Cd is based on the titration of the I complexes with II. To det. Ni, treat a soln. contg. up to 30 mg. Ni in 100 ml. with 0.1 vol. of a buffer soln. prepd. by mixing equal parts of N

Bromocresol Black T as the indicator. In the absence of Mg, the same procedure is applicable for the detn. of Ca. In the presence of Pb, Mn, Fe, Al, and other elements, Ca is detd. as follows: The sample is treated with a few ml.  $\text{N}(\text{CH}_3\text{CH}_2\text{OH})_4$  (III), then dropwise with I as long as a ppt. is formed. The yellow ppt. (Pb, Al) dissolves, and the red color (Fe) disappears after the addn. of 10-20 ml. 2N NaOH. The soln. is titrated with II, 2 ml. in excess. Ni, Co, Mn, and U interfere. Dn. of 1% in the presence of Zn, Mg, Cd, Bi, and Pb: A 5-ml. contg. 1% Zn and Zn is treated with excess II, alkalisied with the buffer soln., the excess II titrated with  $\text{MgSO}_4$  and Bromocresol Black T (sum of Ni + Zn). After addn. of a few ml. of 10% NaOH, the

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2/2 Miroslav Malaz

Detn. of Pb, Ni, Zn, and Mg: The sum is detd. by titrating the excess II with  $MgSO_4$ . Pb is pptd. by  $K_2CrO_4$  and its amt. detd. by  $MgSO_4$  titration. The ppt. is dissolved by adding I which liberates II corresponding to Zn content. Ni is bound with KCN. IX. Determination of nickel in the presence of cobalt. Rudolf Pfund. *Anal. Chem.* 325-7. A complexometric method for the detn. of Ni and Co in the presence of each other is based on different affinity of Ni and Co(III) toward KCN. The method is suitable for detg. Ni in the presence of small amts. of Co. In a slightly acidic sample contg. Ni and Co, complexon is added, and its excess detd. by  $MgSO_4$  titration giving the amt. of Ni + Co. After the addn. of 2-3 ml. perhydrol (color changes from wine-red to violet) and 1 g. KCN, the liberated complexon is titrated with  $MgSO_4$  (after 3-5 min.) to the original color. M. Hudlicky.

JENICKOVÁ, ANNA

Complexometric titrations (chelometry). I. Catechol violet as a new specific indicator. Determination of copper. Václav Štěl, Miroslav Molár, and Anna Jenicková (Chem. Univ., Prague). *Chem. Listy* 48, 1352-1354 (1953). C.A. 48, 13524b. — Direct complexometric detn. of Cu with catechol violet (I) as an indicator is possible with sufficiently low Cu concns. Ag, Mg, Ca, Ba, Sr, alkali metals, and NH<sub>4</sub> salts do not interfere. Al can be masked with F<sup>-</sup> ion. To det. Cu, dil. the aq. Cu soln. to contain up to 20 mg. per 100 ml. soln., add 0.5 g. NH<sub>4</sub>NO<sub>3</sub>, 4-5 drops of I, and adjust the pH with 0.5N NH<sub>4</sub>OH to the first blue coloration of the complex of Cu with I. After adding 1-3 g. NaOAc, titrate with 0.1M complexon until the blue color changes to yellow. To det. Cu in alk. solns., add 10 ml. of a buffer (N NH<sub>4</sub>OH and N NH<sub>4</sub>Cl 1:1) and 4-5 drops I to a neutral soln. containing up to 20 mg. Cu in 100 ml., and titrate to the change of blue to violet. M. Hudický

Complexometric Titrations XVI. The Determination of Bismuth, Nickel and Cobalt with Pyrogallol Red. V. Štěl, H. Malác, and A. Jenicková. (*Chem. Listy*, 1953, 48, 1354, 1355-1356). —

MYSLIVECEK, J.; VRKOČOVÁ, M.; JENICKOVÁ, H.

Correlation between effects of heparin and hyaluronidase in blood coagulation. Cas. lek. česk. 92 no. 5:126-131 30 Jan 1953. (CLML 24:2)

1. Of the Department of Physiology (Head -- Prof. F. Karasek, M.D.) of Charles University, Prague.

MYSLIVECEK, J.;SEDIACEK, J.;VRKOCOVA, M.;DVORAK, J.;JENICKOVA, H.;SEMMELOVA, V.

Preparation of prothrombin. Cas. lek. cesk. 92 no.18:500-501 1 May 1953.  
(CJML 24:5)

1. Of the Physiology Department of the Medical Faculty (Head--Prof.  
F. Karasek, M.D.) of Charles University, Prague.

JENICKOVA, J.

DOUBEK, B.; JENICKOVA, J.

Tuberculosis control in Czechoslovakia. Rozhl.tuberk. 10 no.1-2:  
33-52 '50. (GLML 19:3).

1. Of the Council of the Ministry of Health.



EXCERPTA MEDICA Sec 14 Vol.10/12 Radiology Dec 56

2081. JENICKOVÁ J. Úst. Národního zdraví ÚNV Praha. (Tbc. odd. Poliklin.)  
\*Zkušenosti s abreografií v Praze. Experience with fluorography  
in Prague ROZHL. TUBERK. 1956, 16/2 (61-72) Graphs 2 Tables 7  
From 1947 till 1955 a total of 1,531,415 persons were fluorographed. During  
1954/55 there were 5.1% unreadable films of size 24 x 24 mm. (Siemens), 2.6% on  
size 45 x 45 mm. (Philips) and 0.6% on size 70 x 70 mm. (Westinghouse). During  
1954/55 an average of 0.19% active cases were newly discovered by the method,  
2.06% new inactive cases, 0.012% tumours and 0.004% cases of dextrocardia. A  
detailed analysis of all newly found cases during the first 6 months of 1955 re-  
veals: 11.3% chronic fibro-cavitary forms, 88.7% all other forms, 32.3% of the  
latter without and 67.7% with evidence of recent cavitation. An analysis of all  
freshly diagnosed cases of tuberculosis in Prague during the 18 months, January  
'54 till June '55, and comprising age groups from 15 yr. upwards showed that 25%  
of them had been discovered by fluorographic surveys.

Blumberg - Jevíčko (XV, 14, 17)

EXCERPTA MEDICA Sec 15 Vol 9/9 Chest Dis. Sept 56

2000. JENÍČKOVÁ J. Úst. národního zdraví ČNV, Praha. (The. odd. Poliklin.)  
 Zkušebnosti s abrografií v Praze. Experience with fluorography  
 in Prague ROZH. TUBERK. 1956, 16/2 (61-72) Graphs 2 Tables 7  
 From 1947 till 1955 a total of 1,531,415 persons were fluorographed. During  
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 of them had been discovered by fluorographic surveys.

Blumberg - Jevičko (XV, 14, 17)

JENICKOVA, Jarmila; ZAHALKOVA, Anna

Results of vaccination against tuberculosis in Prague during  
1947-57, Cesk.pediat. 14 no.12:1096-1105 D '59.

1. Ustav narodniho zdravi ONV Praha, reditel dr. J. Sosty.  
Ustav pro organizaci zdravotnictvi UK, prednosta prof.dr. V.Prosek.  
(BCG VACCINATION statist.)

JENIK, J.

(Succession of plants on the alluvium of the Bela River in the Tatra Mountains.  
1st ed. German and Russian summaries. illus., bibl., tables)

Prague, Czechoslovakia, 1955.

Monthly list of EAST EUROPEAN ACCESSIONS (EEAI), LC, Vol. 8, No. 7, July 1959, Unclass.

JENIK, J.

Deformation of the root system of oaks due to planting, p.15. SBORNIK.  
RADA LESNICTVI. Praha. Ceskoslovenska akademie zemedelskych ved.  
Vol. 28, no. 1, Feb. 1955

SOURCE: East European Accessions List, (EEAL), Library of Congress,  
Vol. 4, No. 12, December 1955

JENIK, J.

Notes on the goal and applied methods in the forest classification of Caechoslovakia,  
p. 657.

RADA LESNICTVI. Vol. 29, no. 9, Sept. 1956

Praha, Czechoslovakia

SOURCE: East European List (EEAL) Library of  
Congress, Vol. 6, No. 1, January 1957

CZECHOSLOVAKIA / Forest Science. Biology and Typology of Trees. K-2

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 77479

Author : Slavik, Bohdan; Slavikova, Jirina; Jenik Jan

Inst : Not given

Title : Ecological Conditions of Restoration on Clearcuttings  
in Mixed Forests

Orig Pub : Rozpr. CSAV. Rada MPV, 1957, 67, No 2, 1-155

Abstract : Investigations were carried out in the dry forest type in the central part of Chekhia in mature mixed (oak, beech, larch, hornbeam, pine, fir) plantations. The detailed characteristic is cited on the spread of precipitation on the clearcuttings, changes of relative humidity of the air in comparison with conditions under cover, intensity of insulation, light and temperature cycle, evaporation and transpiration, microbiological processes in the soils of the clearing, changes in the composition of the grass

Card 1/3

CZECHOSLOVAKIA / Forest Science. Biology and Typology of Trees. K-2

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 77479

graphs and schematic figures (root systems). -- I. A.  
Bashkirov.

Card 3/3

5



JENIK, J.

The root system of the oaks Quercus robur L. and Quercus petraea LIEBL.

p. 1 (ROZPRÁVY. RADA MATEMATICKO-PŘÍRODOVĚDECKÁ) Vol. 67, no. 14, 1957,  
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,  
March 1958

JENIK, J.; KALOUS, J.

New methods for determining sulphur in liquid fuel. Paliva 41 no.11:  
329-333 N '61.

1. Vysoka skola chemicko-technologicka, Pardubice.

JENIK, Jan

SURNAME (in caps); Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: /not given/

Source: Prague, Sbornik Ceskoslovenske Spolecnosti Zemepisne,  
Vol 66, No 3, 1961, pp 193-225

Data: "The Vegetation of the Eroded Area near Polerady."

JENIK, Jan; LOKVENC, Theodor

The Alpine forest line in the Krkonose Mountains. Rozpravy mat  
CSAV 72 no.1:1-65 '62.

CZECHOSLOVAKIA

KUCEROVA, Jana, and JENIK, Jan; Department of Geobotany of the Chair of Botany of Charles University (Geobotanické oddělení Katedry botaniky University Karlovy,) Prague.

"Vegetation of the Mountain Crest Rabia Skala (1168 m.) in the Poloninske Carpathian Mountains."

Bratislava, Biologia, Vol 18, No 9, 1963; pp 650-662.

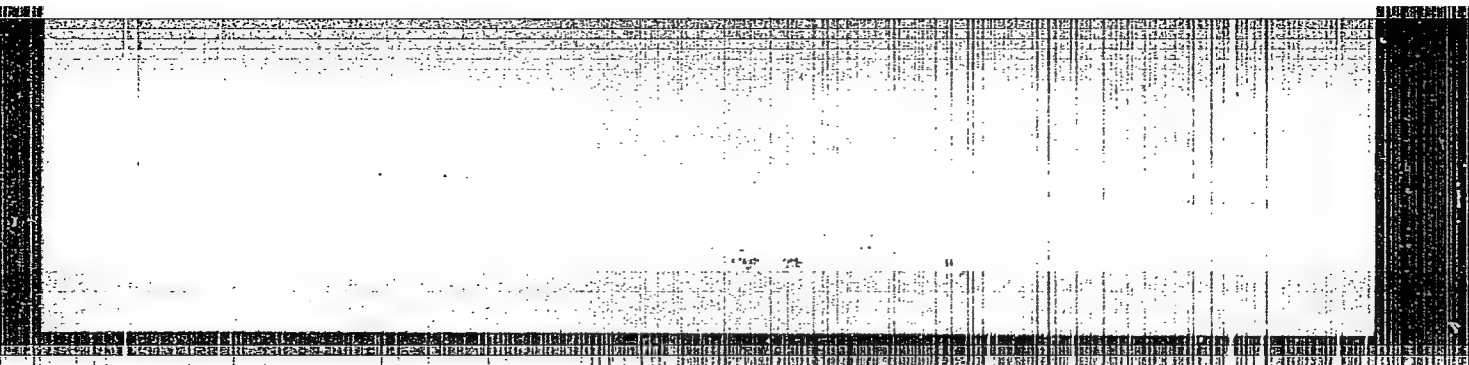
Abstract [English summary modified]: Very detailed data about this ridge and vegetation thereon - especially 3 subspecies of beech (*Fagus carpathica*); these are listed in table along with 30 flowering and other lower-sized plants. Various geological, hydrobiological and meteorological aspects are considered. Table, 3 photographs; 4 Polish and 5 Czech references.

1/1

- 1 -

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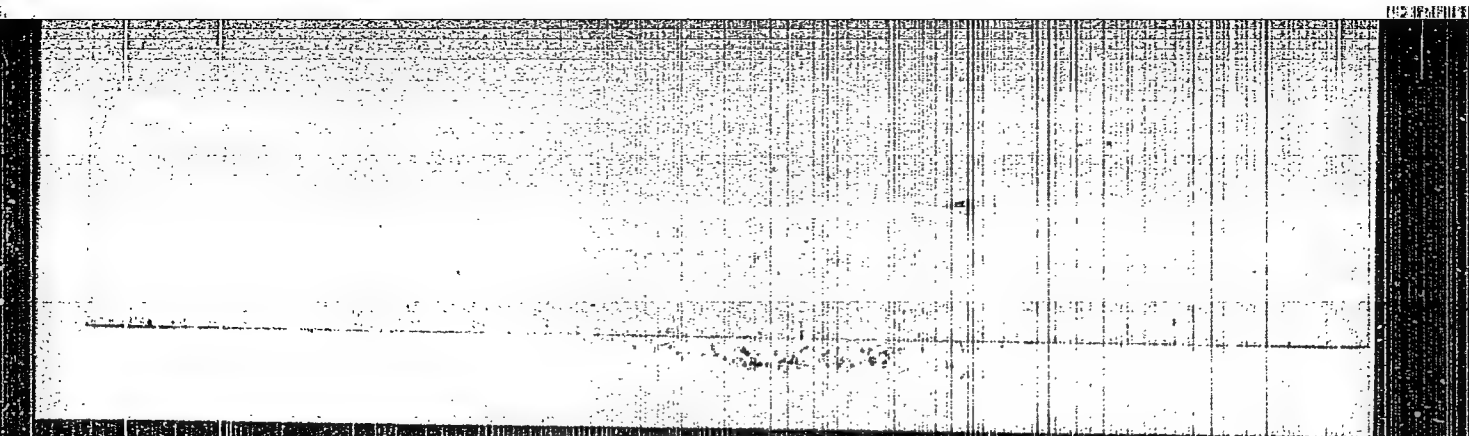


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## CZECH

Colorimetric determination of traces of arsenic in organic and inorganic compounds with magnesium mineralization. M. Jureček and J. Jeník (Vysoká škola chem. technol., Pardubice, Czechoslovakia; *Listy 49*, 264-6 (1955)).—The determination of As is based on the formation of a red color in the reaction of AsH<sub>3</sub> with a pyridine soln. of Et<sub>4</sub>NCSSAg (I) (absorption max. 5600 Å.). Mineralization is carried out by decomposition of the As compd. with 40% H<sub>2</sub>SO<sub>4</sub> and AsH<sub>3</sub> is absorbed in I (C.A. 49, 4443c). M. Hudlíček



CZECHOSLOVAKIA/Analytical Chemistry. Analysis of Organic Substances.

E-3

Abs Jour: Ref Zhur-Khim., No 13, 1958, 43086.

Author : V. Jurecek Miroslav, Jenik Josef.  
VI. Jenik Josef.

\* Inst :  
Title : Mineralization of Organic Substances with Magnesium.  
V. Colorimetric Micro-Determination of Phosphorus  
in Organic Substances. VI. Colorimetric Micro-Deter-  
mination of Antimony in Organic Substances.

Orig Pub: Chem. listy, 1957, 51, No 7, 1312-1315; 1316-1319;  
Collect. Czechosl. chem. commun., 1958, 23, No 3,  
447-451.

Abstract: V. 1-2.5 mg of the substance are calcined with an  
excess of Mg-powder in a Zimmermann's mineralization  
\* Vysoka škola chem.-technol., Pardubice, Czech.

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CZECHOSLOVAKIA/Analytical Chemistry. Analysis of Organic Substances.

E-3

Abs Jour: Ref Zhur-Khim., No 13, 1958, 43086.

tube, whereby all the organic P is converted to  $Mg_3P_2$ ; in the decomposition flask, filled with  $N_2$  or  $CO_2$ , the phosphide is decomposed, first with water, then with dilute  $H_2SO_4$ , and finally by heating to boiling, to drive off (in a current of  $N_2$  or  $CO_2$ ) the  $PH_3$ , which is absorbed in Br-water, where it is converted to  $H_3PO_4$ . The absorbent solution is boiled to remove  $Br_2$ , cooled, transferred to a separatory funnel into which are added 2 ml 1 N  $H_2SO_4$  and 5 ml of a solution of  $NH_4$ -molybdate (5% solution + 10 N  $H_2SO_4$  1:1). The phosphomolybdic acid thus formed is extracted with 50 ml  $CH_3COCC_2H_5$  (the silicomolybdic acid formed in the reaction of Mg with glass, remains in the aqueous layer), the yellow extract is diluted

Card : 2/3

CZECHOSLOVAKIA/Analytical Chemistry. Analysis of Organic Substances.

E-3

Abs Jour: Ref Zhur-Khim., No 13, 1958, 43086.

with alcohol to 100 ml, and after  $\frac{1}{2}$  hours the optical density of the solution is determined using a violet S 42 filter. The content of P is determined by using a calibration curve plotted for standard solutions of  $(\text{NH}_4)_2\text{HPO}_4$ . The method is of general application and is accurate: error  $\pm 0.4\%$ . N, S, and halogens do not interfere. Cl or Br are determined in the same sample, by the method of Sheniger [transliterated] (RZhKhim, 1955, 34758), in the mixture-residue of  $\text{PH}_3$  distillation.

Card : 3/3

CZECHOSLOVAKIA/Analytical Chemistry. Analysis of Organic  
Substances.

E-3

Abs Jour : Ref Zhur - Khimiya, No 2, 1959, No 4383  
Author : Janik, J.  
Inst : Not given  
Title : The Mineralization of Organic Substances With Magnesium. VI.  
The Colorimetric Microdetermination of Antimony in Organic  
Substances.  
Orig Pub : Collection Czechoslov Chem Commun, 23, No 6, 1056-1060 (1958)  
Abstract : See RZhKhim, 1958, No 43086.

Card 1/1

Z/008/60/000/09/001/002  
E142/E535

AUTHORS: Jeník, Josef and Churáček, Jaroslav

TITLE: Weighing of Very Volatile Substances which are Unstable on Air

PERIODICAL: Chemické listy, 1960, No.9, pp.966-967

TEXT: Considerable difficulties are encountered when weighing very volatile substances which oxidize or hydrolyze easily on exposure to air. This applies especially to organosilicon compounds which are strongly hydrolyzed by air humidity. During the micro-determination of silicon in organosilicon compounds the authors weighed alkyl and aryl halosilanes by using a hypodermic syringe and injecting the substance into a polyethylene capsule (length 15 mm, height 1 mm) and weighing the capsule on a micro-balance. The method can also be used for the analysis of oxygen, halogens, etc. Acknowledgments are expressed to Professor Engineer Doctor M. Jurečka for his useful comments and advice. There are 4 Czech references.

ASSOCIATION: Katedra analytické chemie, Vysoká škola chemicko-technologická, Pardubice (Chair of Analytical Chemistry, University for Chemistry and Technology, Pardubice)

Card 1/1

SUBMITTED: April 6, 1960

JENIK, J.; JURECEK, M.; PATEK, V.

The elimination of organic substances by means of magnesium.  
Part 8: Elementary carbohydrate as a source of defectiveness in  
determination of halogens in organic substances by means of  
elimination by metals. Coll Gz Chem 25 no.5:1450-1457 My '60.

1. Institut für analytische Chemie, Technische Hochschule für  
Chemie, Prag.

JENIK, J.; JURECEK, M.

Elimination of organic substances by magnesium. Part 9: Determining  
silica in organic substances. Coll Cz Chem 26 no.4:967-973 Ap '61.

1. Institut für analytische Chemie, Technische Hochschule für Chemie,  
Pardubice.

(Magnesium) (Silica)

S/081/62/000/010/071/085  
B168/B189

AUTHORS: Jenik, J., Kalous, J.

TITLE: New methods of determining the sulfur in liquid fuels

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 10, 1962, 531 - 532,  
abstract 10M263 (Paliva, v. 41, no. 11, 1961, 329 - 333)

TEXT: Two new methods are described for determining sulfur in liquid fuels. In the first a weighed portion of fuel in a polyethylene capsule is burnt out in a flask filled with  $O_2$  and also containing an absorbent solution of 1 ml 0.5 N KOH and 0.5 ml 30%  $H_2O_2$  in 25 ml water. After complete combustion the absorbent solution is heated with 5 ml of a mixture of 100 ml 50% HI, 65 ml 96% HCOOH and 1 g  $NaH_2PO_2$ , and this results in reduction of sulfate and liberation of  $H_2S$ , which is absorbed by 20 ml of an aqueous solution containing 60 g  $(CH_3COO)_2Zn$ , 10 g  $CH_3COONa \cdot 3H_2O$  and 0.05 g NaCl per 1 l. The quantity of ZnS formed in this way is determined colorimetrically after mixing with 7 ml of the

Card 1/2



New methods of determining...

5/081/62/000/010/071/085  
B168/B180

first aqueous solution, 1 l of which contains 0.5 g N, N-dimethyl-p-phenyldiaminesulfate and 200 ml conc.  $H_2SO_4$ , and 2 ml of the second aqueous solution, which is obtained by mixing 200 g  $Fe(NH_4)(SO_4)_2 \cdot 12 H_2O$ , 200 g water and 5 ml conc.  $H_2SO_4$ . In the second method a weighed portion of fuel in a polyethylene capsule is reduced to ash by heating with powdered magnesium (in a refractory glass tube), after which the product of incineration is broken down by boiling with an aqueous solution of HCl. The  $H_2S$  evolved during this process is absorbed and the quantity of sulfur in it is determined in the same way as in the first method. The time taken for an analysis is 100 min for the first method, 60 - 70 min for the second; the accuracy of both methods is within 0.1% sulfur. [Abstracter's note: Complete translation.]

Card 2/2

JENIK, J.; NYVLT, M.

Determination of sulphur in coal by means of magnesium mineralization. Paliva 42 no.2:57-59 F '62.

RENGER, Frantisek; JENIK, Josef

Analytic chemistry of organometallic sandwich compounds.  
Pt.2. Sbor VSChT Pardubice Pt.2. 63-68. '63.

1. Chair of Analytic Chemistry, Higher School of Chemical  
Technology, Pardubice.

RENGER, Frantisek; JENIK, Josef

Volumometrical microdetermination of iron in ferrocene  
and its derivatives. Pt. 1. Sbor VSChT Pardubice no.1:  
55-59 '63.

1. Chair of Analytical Chemistry, Higher School of Chemical  
Technology, Pardubice.

JENIK, Josef; POLAK, Vladimir; URBAN, Josef

Analytic vibrating weighing spoon. Chem listy 57 no.10:1072-1073  
O '63.

1. Vysoka skola chemicko-technologicka, Pardubice.

JENIK, J.; REAGER, F.

Analysis of the sandwich type metallo-organic compounds. Pt. 3.  
Coll Cz Chem 29 no.9:2237-2239 S '64.

1. Institut fur analytische Chemie, Technische Hochschule fur  
Chemie, Pardubice.

JENIK, P., inz. (Praha)

Somatography in the mechanical design. Strojirenstvi 14, no.5:  
343-350 My '64.

JENIK, P.

"Transportation of Soil by Sectional Belt Conveyers." p. 353,  
(MECHANISACE, Vol. 2, No. 9, Sept. 1953, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4  
No. 5, May 1955, Uncl.



JENIK, P.

JENIK, P.

Economic considerations concerning winter operation of building machinery. p.291

(Mechanisace. Praha. Vol. 3, no. 9, Sept. 1954)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6,  
June 1955, Uncl.

JENIK, Premysl

Proportional relation of human stature and form to space arrangement  
of the work shop (somatography). Pracovni lek.12 no.10:507-513 D '60.

(HUMAN ENGINEERING)  
(BODY CONSTITUTION)

JENIK, Premysl

Evaluation of the space and form of combine harvester operator's position in accordance with somatographic principles. Pracovni lek. 13 no.7:344-348 S '61.

(HUMAN ENGINEERING) (AGRICULTURE)

JENIK, Premysl (Praha)

Somatographic analysis of the worksite of a glass cutter. Zklar a  
keramik 12 no.8:235-240 Ag '62.